



राष्ट्रीय पवन ऊर्जा संस्थान NATIONAL INSTITUTE OF WIND ENERGY

(पूर्व में "पवन ऊर्जा प्रौद्योगिकी केन्द्र" Formerly "Centre for Wind Energy Technology")
(नवीन और नवीकरणीय ऊर्जा मंत्रालय, भारत सरकार Ministry of New and Renewable Energy, Government of India)

NIWE/PUR/3/334/18

DATE: 11.05.2018

	QUOTATIONS FOR "Supply of AC & DC Power Measurement and Temperature Measurement" DUE AT 5.30 P.M. ON 29.05.2018 OPENING AT 3.30 P.M. 30.05.2018
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Dear Sirs,

Kindly arrange to send your offer in a sealed cover, for the following items subject to the terms and conditions enclosed, to reach this office on or before the due date mentioned above:

S.NO	DESCRIPTION OF ITEM	QUANTITY
1.	AC Power Measurement: i. AC Power Transducer ii. Current Transformer	06 Nos. 18 Nos.
2.	DC Measurement: DC Power transducer with inbuilt current Transformer	27 Nos.
3.	Temperature Measurement (Solar Module): PT100 Sensor (RTD Type)	06 Nos.
	Please refer Annexure for detailed specifications.	

Your quotation should clearly indicate:

1. Brand / Price of each item
2. Percentage of GST(CGST/SGST/IGST) rate applicable
3. Delivery: (i) Free at NIWE (ii) Delivery Period required
4. Payment will be made with on bill basis in 30 days. No advance payment will be made.
5. Special discount, if any, for R&D institution for their research purpose / educational purpose.
6. Validity of quotation: Validity should be a minimum period of 60 days from the date of opening of Tender/quotation.
7. Enclose photocopy of PAN CARD along with the Bid Document.
8. Quotation partially quoted will not be accepted.
9. **GST Identification Number of the supplier and Copy of company GSTIN Registration Certificate.**
10. R.T.G.S Particulars for making payment, if any

Your quotation, may be sent in sealed cover super-scribing "QUOTATION FOR *Supply of AC & DC Power Measurement and Temperature Measurement" ENQUIRY NO: NIWE/PUR/3/334/18 dated 11.05.2018 DUE AT 5.30 PM ON 29.05.2018" addressed to "NATIONAL INSTITUTE OF WIND ENERGY" formerly known as C-WET VELACHERYTAMBARAM MAIN ROAD, PALLIKARANAI, CHENNAI – 600 100", to reach this office at 5.30 P.M on 29.05.2018 at the latest. Tenders will be opened at 3.30 P.M on 30.05.2018 in the presence of tenderers, if any.



Yours faithfully,

K. Jay
Administrative Officer (S&P)

वेलचेरी - ताम्बरम मुख्य मार्ग, पल्लिकरणई, चेन्नै - 600 100. तमिल नाडु, भारत
Velchery - Tambaram Main Road, Pallikaranai, Chennai - 600 100. Tamil Nadu, INDIA

दूरभाष/Tel No.: +91 - 44 - 2246 3982 / 83 / 84, +91 - 44 - 2900 1162 / 1167 / 1195

फैक्स/Fax No.: +91 - 44 - 2246 3980 / 2246 3990

ई-मेल/E-mail : info@niwe.res.in वेबसाइट/Website : http://niwe.res.in



निवे NIWE
(ISO 9001:2008)

GENERAL TERMS AND CONDITIONS

1. The rates against each item as per serial number of the enquiry shall be quoted for the free delivery at the National Institute of Wind Energy (formerly "C-WET), Velachery Tambaram Main Road, Pallikaranai, Chennai-600 100. Installation charges shall be shown separately, if to be paid extra.
2. NIWE is an R & D institution under the ministry of MNRE, Government of India, running with the motive of not making profit. The special prices/concessions may be quoted as applicable of Govt.. R&D Institutions.
3. Make of item\brand of the item shall be indicated clearly; describing as Best Indian Make or Imported will not have any bearing in making the selection.
4. Goods confirming to BIS Standards or International standards or with traceability certificates (extra cost involved may be shown separately) have an edge over other offers.
5. In case of equipment, complete technical specifications, pamphlets, brochures, descriptive literature, list of customers and the value of orders executed during the last 3 years, a set of recommended spares for maintenance of the equipment for the 3-5 years, pre-installation requirements life expectancy of the system estimated comprehensive Annual Maintenance Charges after, the warranty period etc., are to be enclosed. Extended warranty over and above normal 12 months will be an added advantage.
6. Credentials like Authorised Agent\Distribution, manufactures of import substitution or goods manufactured under foreign license agreements, holding DGS&D rate contract, Registration with NSIC\SSI etc, maybe mentioned in the quotation.
7. Conditions of prior turnover & prior experience with respect to Startups and Micro & Small Enterprises (MSME) are relaxed subject to meeting quality & technical specifications.
8. The prices shall be firm for the next 60 days.
9. Percentage of GST (CGST/SGST/IGST) rate applicable shall be given separately for each item mentioned in the proposal
10. Out station suppliers may further indicate approx, weight, dimensions duly quoting f.o.r. Destination (Chennai) prices by Rail \Road (duly insured) if the items are to be so transported.
11. Details of applications required to be made or clearances to be obtained by NIWE are to be furnished in the quotation.
12. Obtaining quotations from suppliers does not bind NIWE to place orders and any terms and conditions stipulated in the quotations. Similarly, NIWE is not binding to place orders on the lowest.
13. Payment: Payment will be made, after receipt and acceptance of goods, by a crossed cheque drawn on Canara Bank, NIOT Extension Counter, Pallikaranai, Chennai- 600 100. Insisting for payment either in part or full prior to receipt of goods or canvassing/influencing in any form may cause rejection of offer summarily.
14. The Director General reserves the right to accept or reject any /all the quotations in part or full without assigning any reasons what so ever.
15. Payment will be made through RTGS also. The Account Number and other details may be furnished by the Supplier duly supported by the banker.
16. **FOR ANY QUERIES CONTACT: 044 22463982/83/84 E-mail: purchase.niwe@nic.in**





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NIWE/PUR/3/334/18

Annexure- I

AC Power Measurement- AC Power Transducer

MAKE:

MODEL:

Sl. No	Specification	Yes/ No	Any Deviation
1.	Voltage Input	0-415V AC, 50HZ	
2.	Current Input	0-5A AC	
3.	Measurement Method	3 Phase 3 Wire 2 Element type RYB Phase Voltage and R Phase, Y Phase and B Phase Current	
4.	Frequency	50 Hz	
5.	PF Range	0.5 (Lag) – 1 – 0.5 (Lead)	
6.	Accuracy	Class 0.5	
7.	Output	4-20mA (single Output)	
8.	Output Accuracy	± 0.5 % OFS	
9.	Output Load Impedance	Max. 750Ω	
10.	Dielectric Strength	4KV across a) Casing – Input / Output b) Input – Output	
11.	Insulation Resistance	>100MΩ @ 500V DC	
12.	Aux. Voltage	230VAC	
13.	Casing	ABS Plastic with DIN Rail Mounting (35mm rail)	
14.	Dimension	75(H) x 100(W) x 110(D) mm	

COMPANY NAME, SEAL :

SIGNATURE :

CONTACT PERSON & MOBILE :



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Annexure- II

AC Power Measurement- Current Transformer

MAKE:

MODEL:

Sl. No	Specification	Yes/ No	Any Deviation
1.	Input	0-5A AC Power (50/5A for each Phase)	
2.	DC Output	4-20mA Output for DC Power	
3.	Accuracy	Class 0.5	

COMPANY NAME, SEAL :

SIGNATURE :

CONTACT PERSON & MOBILE :



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Annexure- III

DC Power Measurement- DC Power Transducer

MAKE:

MODEL:

Sl. No	Specification	Yes/ No	Any Deviation
1.	Input	0-1000 VDC along with Hall CT for 20A Current Measurement	
2.	DC Output	4 – 20 mA Output for DC Power	
3.	Accuracy	Class 0.5	
4.	Input-Output Isolation	2kV	
5.	Insulation Resistance	>100MΩ @ 500V DC	
6.	Galvanic Isolation	Input / Output / Power / Case	
7.	Output Ripple	<1% of full scale	
8.	Ambient Temperature	55° C Max	
9.	Aux. Voltage	90 - 270V AC 50Hz	
10.	Casing	Din Rail Mounting (35mm rail)	
11.	Material	Poly Carbonate	
12.	Dimension	80(H) x 100(W) x 110(D)	

COMPANY NAME, SEAL :

SIGNATURE :

CONTACT PERSON & MOBILE :



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Annexure- IV

Temperature Measurement- Module Temperature Sensor

MAKE:

MODEL:

Sl. No	Specification	Yes/ No	Any Deviation
1.	Input	PT 100 ohm RTD (To be attached backside of solar PV module)	
2.	DC Output	4 – 20 mA DC	
3.	Accuracy	Class 0.5	
4.	Galvanic Isolation	Input / Output / Power / Case	
5.	Output Ripple	<1% of full scale	
6.	Operating Temperature	-10° to 85° C Max	
7.	Material	Poly Carbonate	

COMPANY NAME, SEAL :

SIGNATURE :

CONTACT PERSON & MOBILE :



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Annexure-V

Price Bid

MAKE:

MODEL:

S. No	Particulars	Qty	Rate Per Qty. Rs.	Total Amount Rs.	GST % (CGST/SGST)	Tax Amount	Total Amount With tax (Rs.)	
1.	AC Power Measurement: 1. AC Power Transducer	06 Nos						
	2. Current Transformer	18 Nos						
2.	DC Measurement: DC Power transducer with inbuilt current Transformer	27 Nos						
3.	Temperature Measurement (Solar Module): PT100 Sensor (RTD Type)	06 Nos						
4.	Net Amount (1+2+3) =							
5.	Delivery Place & Installation Site	NIWE, Chennai						
6.	Delivery period required							
7.	Payment Term	100% after successful Installation at site						
8.	Validity period	60 days						

COMPANY NAME, SEAL :

SIGNATURE :

CONTACT PERSON & MOBILE :

(Handwritten Signature)

